

State of Alaska
Department of Fish and Game
Nomination for Waters
Important to Anadromous Fish

Rocky II Segments 0-01; 0-02 (Mainstem)

AWC Volume SE SC SW W AR IN USGS Quad Seldovia B-4

Anadromous Water Catalog Number of Waterway 242-31-10117

Name of Waterway _____ USGS name _____ Local name _____

Addition x Deletion _____ Correction _____ Backup Information _____

For Office Use

Nomination # <u>94 270</u>	<u>[Signature]</u> Regional Supervisor	<u>2/16/94</u> Date
Revision Year: <u>-94</u>	<u>[Signature]</u> 2. Done	<u>2/17/94</u> Date
Revision to: Atlas _____ Catalog _____		
Both <u>X</u>		
Revision Code: <u>A-2</u>	Drafted	<u>2/22/94</u> Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Migration	Anadromous
<u>Pink Salmon - Adults</u>	<u>9-8-93</u>	<u>561</u>			<u>✓</u>

IMPORTANT: Provide all supporting documentation that this water body is important for the spawning, rearing or migration of anadromous fish, including: number of fish and life stages observed; sampling methods, sampling duration and area sampled; copies of field notes; etc. Attach a copy of a map showing location of mouth and observed upper extent of each species, as well as any other information such as: specific stream reaches observed as spawning or rearing habitat; locations, types, and heights of any barriers; etc.

Comments: Observed 400 pink salmon in intertidal zone which exhibits a well defined channel with excellent spawning gravel. Observed 161 pinks throughout this stream up to the 1 meter high waterslide barrier. Stream width ranges from 10 meters at the mouth to 5 meters at the upper extent. Gradient is 2-3 percent. Predominant stream substrate is gravel.

ALASKA DEPT. OF
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Name of Observer (please print) JEFF BARNHART

NOV 03 1993

Date: 10-14-93

Signature: [Signature]

REGION II

Address: 333 Raspberry Road

HABITAT AND RESTORATION

Anchorage, AK

This certifies that in my best professional judgement and belief the above information is evidence that this waterbody should be included in or deleted from the Catalog of Waters Important for Spawning, Rearing or Migration of Anadromous Fishes per AS 16.05.870.

Signature of Area Biologist: _____

Rev. 7/93

STREAM HABITAT ASSESSMENT 1993 - SEGMENTS

STREAM: Rocky 11 SEGMENT: 0-02 DATE: 9/8/93 TEAM: JB/WG
 ANADROMOUS: yn WIDTH (m): 6-5 LENGTH (m): _____ GPS DATE: 9/19 DIGITIZE: yn
 WATERBODY: mainstem tributary lake/pond wetland intertidal other: _____

FISH					WILDLIFE		
SPECIES	STAGE (A J U)	COUNT	METHOD (E V D)	COMMENTS	SPECIES	COUNT	COMMENTS
<u>trouts</u>	<u>A</u>	<u>11</u>	<u>V</u>			<u>4</u>	<u>(Boulder stream)</u> <u>Comments</u>

GRADIENT(%): 3 CHANNEL PROFILE: V A B C D E F

CHANNEL PATTERN: single multi braided

STREAM SUBSTRATE: (rank three most predominant types) BEDROCK _____ BOULDER _____ RUBBLE 3 COBBLE 2
 GRAVEL 1 SAND _____ MUD/SILT _____ ORGANICS _____ OTHER: _____

STREAM COVER TYPE: ORGANIC DEBRIS _____ DEAD BRANCHES/TWIGS _____ LOGS + BOULDERS +
 CUT BANK _____ OVERHANGING VEGET. + OTHER: _____

STREAM COVER ABUNDANCE: none low medium high

RIPARIAN VEGETATION (three most abundant plants in order of dominance) within 20m of the banks:

OVERSTORY: Sitka spruce Devil's club Ferns
 UNDERSTORY: Alder

CANOPY ABOVE STREAM: none low medium high

GROWTH: mature secondary shrubs meadow muskeg intertidal

TOTAL BARRIER? yn BARRIER TO SPECIES: trouts adults juveniles

TYPE: fall slide beaverdam logjam spring substrate HEIGHT (m): 1 DIST. FROM UPPER EXTENT (m): 0

PHOTO ROLL(s): <u>JB 95</u>		VIDEO TAPE(s): _____	
FRAME	DESCRIPTION	DATE	DESCRIPTION
<u>12</u>	<u>upper extent, 1 m slide in foreground</u> <u>followed by series of 1 m falls</u> <u>terminating in 10 m falls approx</u> <u>50 m above upper extent</u>		<u>→ Add to Comments</u>

Substrate: Bedrock (solid) Boulder >1' Rubble 6-12" Cobble 2-5" Gravel .1-2" Sand <.1"
 (Please enter comments on the other side)

STREAM HABITAT ASSESSMENT 1993 - SEGMENTS

STREAM: Rocky-11 SEGMENT: 0-01 DATE: 7/8/93 TEAM: JB/WG
 ANADROMOUS: 0 WIDTH (m): 10-5 LENGTH (m): _____ GPS DATE: 9/22/ DIGITIZE: y n
 WATERBODY: mainstem tributary lake/pond wetland Intertidal other: _____

FISH					WILDLIFE		
SPECIES	STAGE (A J U)	COUNT	METHOD (E V D)	COMMENTS	SPECIES	COUNT	COMMENTS
pink	A	150	✓	live in segment	Dipped	4	
pink	A	400	✓	live in IT2	Beet Black		Scat
					Moose		Scat
					Winter Wren	1	
					Bald Eagle	4	
					Meigantoe	26	
					Kingfisher		

GRADIENT(%): 2 CHANNEL PROFILE: V □ □ U U U U
 A B C D E F

CHANNEL PATTERN: single multi braided

STREAM SUBSTRATE: BEDROCK _____ BOULDER _____ RUBBLE 3 COBBLE 2
 (rank three most predominant types) GRAVEL 1 SAND _____ MUD/SILT _____ ORGANICS _____ OTHER: _____

STREAM COVER TYPE: ORGANIC DEBRIS _____ DEAD BRANCHES/TWIGS _____ LOGS ✓ BOULDERS ✓
 CUT BANK ✓ OVERHANGING VEGET. ✓ OTHER: _____

STREAM COVER ABUNDANCE: none low medium high

RIPARIAN VEGETATION (three most abundant plants in order of dominance) within 20m of the banks:

OVERSTORY: Sitka Spruce
 UNDERSTORY: Alder Devils club Salmonberry

CANOPY ABOVE STREAM: none low medium high

GROWTH: mature secondary shrubs meadow muskeg Intertidal

TOTAL BARRIER? y/n BARRIER TO SPECIES: _____ adults juveniles

TYPE: fall slide beaverdam logjam spring substrate HEIGHT (m): _____ DIST. FROM UPPER EXTENT (m): _____

PHOTO ROLL(s): JB 05

VIDEO TAPE(s): _____

FRAME	DESCRIPTION	DATE	DESCRIPTION
<u>12</u>	<u>Upper portion of segment looking upstream</u>		
<u>13</u>	<u>Lower portion of segment looking upstream</u>		
<u>14</u>	<u>In IT2 looking up at gravel channel / gravel / spawning area</u>		

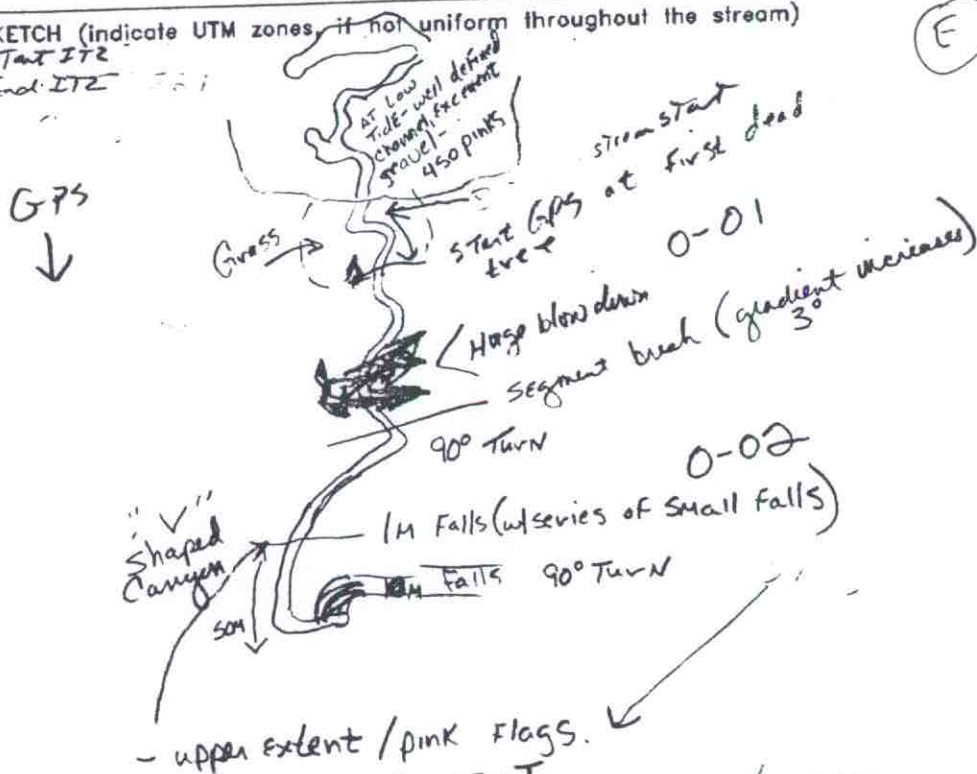
Substrate: Bedrock (solid) Boulder >1' Rubble 6-12" Cobble 2-6" Gravel .1-2" Sand <.1"

(Please enter comments on the other side)

STREAM HABITAT ASSESSMENT 1993 - STREAMS

STREAM: Rocky - 11 QUAD: SELDONIA-BY STAGE: H (M) L
 LANDOWNER: Chenega CAC Eyak Tatitlek Pt. Graham English Bay (circle one)
 DATE(s): 9/8/93 UTM ZONE: 5
 GPS FILES: 3092219B

SKETCH (indicate UTM zones, if not uniform throughout the stream)
 Start ITZ
 End: ITZ



(B) 11 0451 INT. 591310/6571127
 0508 START =
 0536 Seq break = 591462/6571369
 0557 END
 N
 ↓

PHOTO ROLL(s):

FRAME

DESCRIPTION

VIDEO TAPE(s):

DATE

(Please enter comments on the other side)

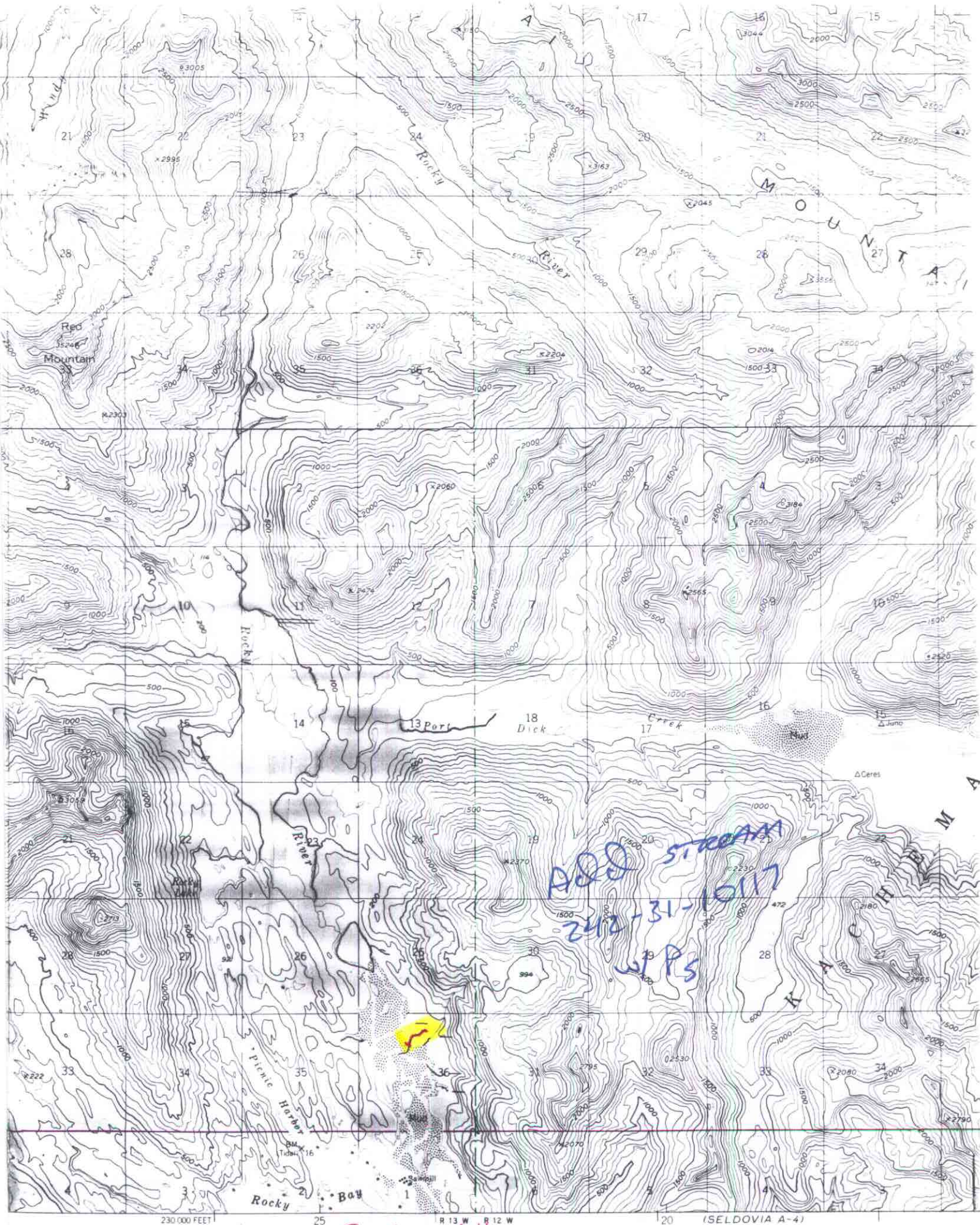
15-18M wide stream with excellent spawning gravel. Clear, good flowing stream.

Segment broke into two parts due to "V" shaped Canyon: gradient increase in last portion. Upper extent consists of a series of 1M falls followed by a waterfall of 15M. Fish observed 50M below big falls. Vegetation is Sitka spruce; understory alder, devil's club; ferns.

- 4 water vipers observed.

150-200M OF prime spawning area at low tide
below grass; dead trees in mud flats. Well degraded
channel w/ excellent gravel.

450 pinks observed.



MEMORANDUM

State of Alaska

DEPARTMENT OF FISH & GAME

TO: Ed Weiss
Habitat Biologist
Region II
Habitat and Restoration Division
Department of Fish and Game

DATE: November 3, 1993

FILE NO.:

TELEPHONE NO.: 267-2295

SUBJECT: Anadromous Stream
Nominations
and Corrections
Project R-51

FROM: Kathrin Sundet *KS*
Habitat Biologist
Region II
Habitat and Restoration Division
Department of Fish and Game

Attached are anadromous stream nominations and corrections to be included in the Anadromous Waters Catalog for 74 streams surveyed in the fall of 1993 on private lands held by the Port Graham, English Bay and Seldovia Native Corporations on the outer Kenai Peninsula.

Streams were surveyed by the Alaska Department of Fish and Game, Habitat and Restoration Division personnel, Kathrin Sundet, Jeff Barnhart, Dan Grey, and Wes Ghormley as part of Exxon Valdez Oil Spill Restoration project R-51 aka SHA (Stream Habitat Assessment).

Streams were surveyed on foot from the intertidal zone to the upper extent of anadromous fish distribution. Adult salmon and Dolly Varden were visually identified and enumerated. Juvenile salmon were visually identified in the stream, and then captured by electroshocking, dipnet, or minnow trap to confirm identification. Sampling was conducted periodically along the stream to determine the presence of juvenile salmon. No attempt was made to determine the rearing population sizes of juvenile salmon, or to determine the total escapement of adult salmon in a stream.

Stream data are on file at the Alaska Department of Fish and Game, Habitat and Restoration office, 333 Raspberry Road, Anchorage, Alaska.

cc: Lance Trasky
Don McKay
Mark Kuwada

ALASKA DEPT. OF
FISH & GAME

NOV 03 1993

REGION II
HABITAT AND RESTORATION
11/13/93